Purchase Order Receipt Listing

Thursday, July 20, 2017 2:43:19 PM

All amounts are calculated in domestic currency.

Page 1 of 1

All Line Item Types All Vendors PO ID PO36887 Receipt Dates from 7/20/2017 to 7/20/2017 All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

MRB Qty/Book Amt ARB Reject Qty	0		00.0\$	0	0000			0 \$0.00	0	00 0\$	0
Inspected Qty/ N Rejected Qty MR (PO U/M)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
Cost Per Unit/ Recv Value	1)	,	>		_	2	1	/	
Recv Qty (PO U/M)	12.0000		12.0000		24.0000			12.0000		8.0000	
Recv Date/ Recv Emp	7/20/2017	PLOU01	7/20/2017	PLOU01	7/20/2017	PLOU01		7/20/2017	PLOU01	7/20/2017	PLOU01
Required Date Required Qty	- C/O 910720 7/24/2017	12.0000	7/24/2017	12.0000	7/24/2017	24.0000		7/24/2017	12.0000	7/24/2017	8.0000
PO U/M / Stock U/M	A.M. Castle & Co. (Canada) Inc C/O 910720	889 89	SYBASY8	ය ගි	DAS	69-68		DAS	ල ලි ශ්	DAS	68-68
Reference/ Description/ Cert Std	VU-MET002 A.M. Castle & Co. (C. M7075T6S1.000X2.5 f), CDAS	7075-T6S Sheet 2.5" f Wide x 1" Thick Plate m138086	M7075T6S1.500X1.5 f 1.59 BASY 8	7075-T6S Sheet 1.5" f Wide x 1.5" Thick Plate	m138086 740 M7075T6S.375X5.00 f	7075-T6 Sheet 5" f Wide x .375" Thick Plate	m138086	M7075T6S1.000X5.0 f	7075-T6 Sheet 5" f Wide x 1" Thick Plate m138086	M7075T73B3.000X4. f	7075-173 Bar 3.0 x f 4.0 grain direction along 3"
Line Project ID Nbr/ Insp Req		N _o	2	ON.	3	No N		-	°Z	,	°Z
Purchase I Order ID/ N Curr Type I	VendorID\Vendor Name PO36887 1	USD	1.4	-	8	£.		4	4	\$	4

0.0000

Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity:

Total Receipt Value: Total Balance Due Quantity:

68.0000

0.0000 \$0.00 0.0000

Page 1 of 2

Shipment No:3329949

Ship From:	Sol	Sold To:	Ship To:	Deliver To:
A. M. CASTLE & CC		DART AEROSPACE LTD	A. M. CASTLE & CO.	DART AEROSPACE LTD
3050 S HYDRAULIC		1270 ABERDEEN	2150 ARGENTIA ROAD	1270 ABERDEEN
WICHITA, KS 67216		HAWKESBURY, ON K6A 1K7	MISSISSAUGA, ON	HAWKESBURY, ON
USA	CA		L5N 2K7 CAN	K6A 1K7
				CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
13-JUL-17	ORIGIN	Prepaid	ABF	3329949-2

Shipment Details			Final Destination Branch - TOR	nch - TOR	
			^		
Order No	Line No	Item No	Description		
4816985	2	750412.MO	1.5000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000	ALUMINUM.USI.48.	5000.144.5000
(CUT LENGTH TO 1.5 IN (+ .1250/0000 IN) X 144.5 IN () ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-28	IN (+ .1250/0000 AW SPECIFICATION	CUI LENGTH TO 1.5 IN (+ .1250/0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No		Part Number	Ordered Qty	<u>u</u>	Invoice Qty
36887			1.00 PCS	-	1.00 PCS
Details /	ALL PAPER	<i>NORK MUST FOLLOW</i>	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY	ST RECEIVE AT TIN	E OF DELIVERY
	ALL MATER	AL MUST HAVE IDENT	ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S	AT #'S	
	Email P/s an	Email P/s and certs to: clavoie@dartaero.com	aero.com		(
	END USER:	END USER: DART AEROSPACE			
	END USE: C	END USE: COMMERCIAL AIRCRAF	AIRCRAFT PARTS	, -	J-1-18
Delivery No. Mill		Heat Number	Mech Id / PCS	Width (IN) Length (IN	h (IN) Shipped Qty(LBS)
121179012		9388495			33.5163

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM

CERTIFICATE OF CONFORMANCE INTERORG TRANSFER PACKING SLIP/

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned a OSP.

Name: Date: Reviewed by Authorized Castle Metals Representative:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM





A M CASTLE CO H 3050 SO HYDRAULIC WICHITA KS P 67216 US 0

5 0 L D 0

DAS

01

02

03

04

Serial

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

Serial: 20170527-0110539777 INCLUSION Pg 10f2 110539777 A M CASTLE 4075 CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. CERTIFICATION 204516 420827 "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the LENGTH TEMPER GAUGE CLAD MITOTH ALLOY requirements of the applicable specifications as 0.50000 in 38.10 mm 48.50000 in 144.50000 ih 7075 T651 indicated herein. Any warranty is limited to that 3,670 mm 1,232 mm shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test ITEM ORDERED reports are on file, subject to examination." SPEC PLATE, SAWED Constellium Rolled Products Revenswood, LLC MILL FINISH 859 Century Road P.O. BOX 68 **CUSTOMER SPECIFICATION** AMS QQ-A-250/12A RAVENSWOOD, WV 26164 USA PART NUMBER B/L NUMBER DATE SHIPPED 05/29/2017 750412 81405 WT. SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 4200,000 LB 0000004 Steve Good - Laboratory Manager ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A AMS 4045K

AMS-STD-2454A-2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE

ASTM B209-14 855-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE

GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

1.050.000

Load Details

5 9-89_{ece} Net Lbs Kg Package 476.272 9388495 1,050,000 1001522467 1001522467 1,050.000 476.272 9388495 476.272 1001522467 1,050.000 9388495

476.272

Lot: 9388495

Tensile - Room Temperature (US)

1001522467

5 555 ACES SEINORE AS SOAA

		Ultimate	(KSI)	Yield (K	SI)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	80.7	81.3	69.8	71.4	12.0	12.0	

9388495



Parent Lot





A M CASTLE CO S H 3050 SO HYDRAULIC WICHITA KS P 67216 US T 0 110539777 CLAD T651

5 0 L D

Q

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523

Pg 20f2 INCLUSION Serial:20170527-0110539777 A M CASTLE 4075 Constellium ORDER NO. CERTIFICATION CUSTOMER PURCHASE ORDER NO. & ITEM 204516 420827 "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the LENGTH WIDTH TEMPER GAUGE requirements of the applicable specifications as ALLOY 144.50000 in 48.50000 in 7075 1.50000 in indicated herein. Any warranty is limited to that 38.10 mm 1,232 mm 3,670 mm shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test ITEM ORDERED reports are on file, subject to examination." SPEC PLATE, SAWED Constellium Rolled Products Ravenswood, LLC MILL FINISH 859 Century Road P.O. BOX 68 CUSTOMER SPECIFICATION RAVENSWOOD, WV 26164 USA AMS QQ-A-250/12A B/L NUMBER DATE SHIPPED PART NUMBER 81405 05/29/2017 750412 WT. SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 4200.000 LB 0000004 Steve Good - Laboratory Manager Tensile - Room Temperature (SI)

		Ultimate	(N/MM2)	Yield (N	/MM2)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	AN INCOME DE LINE DE LINE DE LE PRESENTATION DE LA PROPERTATION DE LA
LT	02	556	561	481	492	12.0	12.0	00/grant community and 200 50 50 50 50 50 50 50 50 50 50 50 50 5

Chemistry (Actual)

CR ZN Ti ZR SI F- F-CIL MM MG 2.63 0.21 5.50 0.03 0.00 0.08 0.18 1.41 0.04

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS: AMC CA-15403A R 7

> THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"



Page 1 of 2

Shipment No:3329949

Ship From:		Sold To:	Ship To:	Deliver To:
A. M. CASTLE & CO.		DART AEROSPACE LTD	A. M. CASTLE & CO.	DART AEROSPACE LTD
3050 S HYDRAULIC WICHITA, KS 67216		1270 ABERDEEN HAWKESBURY, ON K6A 1K7	2150 ARGENTIA ROAD MISSISSAUGA, ON	1270 ABERDEEN HAWKESBURY ON
USA	- 1000-13-24	CA	L5N 2K7 CAN	K6A 1K7
				CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
13-JUL-17	ORIGIN	Prepaid	ABF	3329949-2
Shipment Details			Final Destination Branch - TOR	TOR
Order No	Line No	Item No	Description	
4816985	-	752188.MO	1.0000.PL.7075.T651.ALUN	1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000
			CUT LENGTH TO 2.5 IN (-	CUT LENGTH TO 2.5 IN (+.1250/0000 IN) X 144.5 IN () -
			ALUMINUM PLATE SAW S	ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No	ď	Part Number	Ordered Qty	Invoice Qty
36887			1.00 PCS	1.00 PCS
Details	ALL PAPE	ERWORK MUST FOLLOW OR	DER / CUSTOMER MUST RE	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
	ALL MATE	ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S	ING MARKINGS EX:HEAT #	S
	Email P/s	Email P/s and certs to: clavoie@dartaero.com	o.com	
	END USE	END USER: DART AEROSPACE		
	END USE	END USE: COMMERCIAL AIRCRAFT PARTS	ARTS	
Delivery No. Mill		Heat Number	Mech Id PCS Wid	Width (IN) Length (IN) Shipped Qty(LBS)
121179012	\bigcup	DAS 9 9 9 9 5	-	37.6174
•		68-8		

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material are waived unless made in writing to A.M. Casile & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for the correct size, or material cut by the customer cannot be returned

Reviewed by Authorized Castle Metals Representative:

Date: Name:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM

DE-6-618





A M CASTLE CO S H 3050 SO HYDRAULIC WICHITA KS p 67216 US 0

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

A M CASTLE 110539772 4075 INCLUSION Serial: 20170527-0110539772 Pg 10f4 Constellium ORDER NO. CUSTOMER PURCHASE ORDER NO. & ITEM CERTIFICATION 203735 419757 "Constellium Rolled Products, hereby cartifies that metal shipped under this order has been inspected and found in conformance with the ALLOY TEMPER GAUGE WIDTH LENGTH CLAD requirements of the applicable specifications as 7075 T651 1.00000 in 48.50000 in 144.50000 in indicated herein. Any warranty is limited to that 3.670 mm 1,232 mm 25.40 mm shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test ITEM ORDERED reports are on file, subject to examination." SPEC PLATE, SAWED Constellium Rolled Products Ravenswood, LLC MILL FINISH 859 Century Road P.O. BOX 68 CUSTOMER SPECIFICATION RAVENSWOOD, WV 26164 USA AMS 4045K PART NUMBER B/L NUMBER DATE SHIPPED 05/29/2017 752188 81388 WT. SHIPPED NO. OF PIECES GOVT. CONTRACT NO. 5770.000 LB 000008 Steve Good - Laboratory Manager

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A AMS QQ-A-250/12A AMS-STD-9154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE

ASTM B209-14

BSS-70558 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

725,000

710.000

710.000

Load Details

DAS 5 9-89 Piece Kg Package Net Lbs Lot Serial 1001522455 725.000 328.854 9387991 01 1001522455 725.000 328.85 9387991 02 1001522455 725.000 328.854 9387991 03 1001522460 725.000 328.854 9387992 01 1001522460 725.000 328.854 9387992 02

328.854

322.050

322.050

Lot: 9387991

Tensile - Room Temperature (US)

1001522460

1001522466

1001522466

		Ultimate	(KSI)	Yield (K	(SI)	Elongation	11	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	

03

01

02

9387992

9387993

9387993



Parent Lot





S H I P A M CASTLE CO

3050 SO HYDRAULIC WICHITA KS 67216 US SOLD

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

0 INCLUSION Serial: 20170527-0110539772 Pg 20f4 A M CASTLE 110539772 4075 CERTIFICATION Constellium ORDER NO. CUSTOMER PURCHASE ORDER NO. & ITEM "Constellium Rolled Products, hereby certifies that 203735 419757 metal shipped under this order has been inspected and found in conformance with the ALLOY 7075 TEMPER GAUGE LENGTH WIDTH CLAD requirements of the applicable specifications as 48.50000 in 144.50000 in 1.00000 in T651 Indicated herein. Any warranty is limited to that 3,670 mm 25.40 mm 1,232 mm shown on Constallium Rolled Products' standard General Terms and Conditions of Sales, Test ITEM ORDERED reports are on file, subject to examination." SPEC PLATE, SAWED Constellium Rolled Products Ravenswood, LLC MILL FINISH 859 Century Road P.O. BOX 68 **CUSTOMER SPECIFICATION** RAVENSWOOD, WV 26164 USA AMS 4045K DATE SHIPPED PART NUMBER B/L NUMBER 05/29/2017 81388 752188 WT. SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 5770.000 LB 800000 Steve Good - Laboratory Manager

Tensile - Room Temperature (SI)

tone moon	Tompord		(N/MM2)	Yield (N	I/MM2)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Мах	Min	Max	NUMBER OF COLUMN AND THE STREET AND
LT	02	550	555	483	498	13.0	13.0	The state of the s

Chemistry (Actual)

Core

ZR CR ZN TI SI MN MG FE CU 0.01 2,48 0.20 5.45 0.04 0.05 0.16 1.38 0.03

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9387992

Tensile - Room Temperature (US)

	100	Ultimate	(KSI)	Yield (K	SI)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	endame e a sacce describis accionacione accionación como con companyo no respecto comenca y conserva y conserva
LT	02	80.3	80.6	71.5	72.0	12.5	13.5	75500888 PC00 6005035800 PRANCE PROPERTY PARTY P







CERTIFIED TEST REPORT Constellium Rolled Products

H Ţ P T

A M CASTLE CO 3050 SO HYDRAULIC WICHITA KS 67216 US

S 0 L D T 0 Ravenswood, LLC

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

0									CONTROL OF THE PROPERTY OF THE
A M CAS	ΓLE	1105397	772	4075	o managama Souran at 195090	INCLU	SION Se	rial:20170527-0110539772	Pg 3of4
CUSTOM 419757	ER PURC	HASE OR	DER N	O. & ITEM		Constel 203735	lium ORDER NO	"Constellium Rolled Products metal shipped under th	s, hereby certifies that is order has been
ALLOY 7075	CLAD	TEMPER T651	1.000	GE)00 in) mm	WIDTH 48.500 1,232	00 in	LENGTH 144,50000 in 3,670 mm	inspected and found in co requirements of the applica- indicated herein. Any warra shown on Constellium Rolle	able specifications as anty is limited to that ad Products' standard
ITEM OR SPEC PL MILL FIN	ATE, SAV	VED	,	4.0010000000	a-lennemnenseimelese ^{n v}	орудового гранийн бай (V), 1886 (1980)		General Terms and Condi reports are on file, subje Constellium Rolled Produc 859 Century	ct to examination." ts Ravenswood, LLC y Road
CUSTOMER SPECIFICATION AMS 4045K								P.O. BOX RAVENSWOOD, WY	
PART NUMBER 81388					BER	DATE 05/29	SHIPPED //2017	Steve Gr	~
WT. SHIP 5770.000			O. OF 00008	PIECES	GOVT.	CONTRA	ACT NO.	Steve Good - L	aberatory Manager
OLEO DESCRIPTION OF THE PROPERTY.	DEDOCRADA PROPERTY OF THE	SEED IN STREET, SQUARE,	errinen errine (d. S.)	- Company of the Company	ENOMELIA ILLINGVIATA	MARKET THE STATE OF THE STATE O			

Tensile	Room	Temperature	(SI)
		40	

	, ••••	Ultimate	(N/MM2)	Yield (N	I/MM2)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	A STATE OF THE PROPERTY OF THE
LT	02	554	556	493	496 _	12.5	13.5	According to the contract of t

Chemistry (Actual)

Core

FE MN MG CR ZN TI ZR SI CU 2.48 0.20 5.45 0.04 0.01 0.05 0.16 1.38 0.03

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9387993

Tensile - Room Temperature (US)

		Ultimate	(KSI)	Yield (K	SI)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.9	80.8	70.4	71.5	13.0	13.5	**************************************







CERTIFIED TEST REPORT Constellium Rolled Products

H 1 P

A M CASTLE CO 3050 SO HYDRAULIC WICHITA KS 67216 US

\$ 0 1 D T Ravenswood, LLC

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523

0										U	1								
A M CAST	LE	110	5397	72	4075	AN SHEET PROPERTY OF SHEET PROPERTY.	11	NCLUS	ION	S	Seri	al:20170	527-0	1105	39772	2	Pg 4	lof4	
CUSTOM 419757	ER PURC	HASE	ORD	ER N	O. & ITEN			onstelli 3735		RDER	10.	CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as					111		
ALLOY 7075	CLAD	TEM T651			GE 000 in 0 mm	WIDT 48.50 1,232	000		144.	GTH 50000 in 0 mm		require indicate shown	ments of her on Co	of the ein. A enstel	ne app Iny w Iium R	olicable arranti lollad	e speci y is lin Produc	ification	ns as o that indard
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH CUSTOMER SPECIFICATION R									ts are	Rolle 85	ile, su	bject lucts tury R	to exa Ravens cad	minatio	m."				
AMS 404	MS 4045K PART NUMBER DATE SHIPPED								nicosa sa		RAVE				26164	USA			
PART NU 752188	IMBER				81388			05/29/2	2017			,	1.	ten	- /a	2	100		
WT, SHIF 5770.000			1	0008	PIECES	GOVT	, C(ONTRA	CTN	Ο.		ange agreement to the control of the	S	leve	Good	- Labo	oratory	Mana	ger
Tensile - Room Temperature (SI) Ultimate (N/MM2) Yield (N/MM2) Ei							Eld	ongation	(%)		Re	port		WENT 1971	******				
Dire	ection	Tests	N	1in	Max		Mir	7	Ma	X	Mi	n	Max			AND DESIGNATION OF THE PARTY AND ADDRESS OF TH			Minera
LT	{	02	5	51	557	West and the first of the second	48	5	49	3	13	.0	13.5)	PROPERTY AND INCOME.				
Chemist	ry (Actua	1)																	
Core			FE 0.16	CU 1.38	MN 3 0.03	MG 2.48	0.2		N .45	TI 0.04	0.0								
OTHERS	S-EACH:	.05 MA	X. 0	THER	S TOTAL:	.15 MA	Χ.	AL RE	MAIN	DER								pro tire, rum sayaman ar illati	Marie State Of State
	**************************************			Merce of Employment (MI)						04.854/03.689.84			namakan'an ian ma		w/decompositivester/	ng/min/mmmmin/min/			
All mate	rial conta	ined in	1 this	lot w	vas cast a	nd man	ufa	ctured	in th	e USA		-		EZONANCSANSÁNO	· · · · · · · · · · · · · · · · · · ·	*******************	************		************
	TY TEXTS -15403 R																		

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; 8557

DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"

Page 1 of 2

ACE LTD A. M. CASTLE & CO. ON K6A 1K7 LSN 2K7 CAN ACE LTD A. M. CASTLE & CO. Deliver To: Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	t Terms Carrier BOL No UPS 3325226-2	scription 300.PL.7075.TrsstraLUMINUM.US T LENGTH TO 48.5 IN ((GRAIN TC 80/0000 IN (GRAIN TO RUN ALC W SPECIFICATIONS: AMS-QQ-A-2 ered Qty D PCS CUSTOMER MUST RECEIVE AT IARKINGS EX:HEAT #'S d PCS d PCS d PCS d PCS d PCS d PCS
Sold To: DART AEROSPA 1270 ABERDEEI HAWKESBURY, CA	F.O.B. Freight ORIGIN Prepaid	Line No Item No 4.00 6 752132.MO 4.00 CUTO 126 CUTO 126 ALL PAPERWORK MUST FOLLOW ORDER / SAM Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS Heat Number Mech I
Ship From: A. M. CASTLE & CO. 14001 ORANGE AVENUE PARAMOUNT, CA 90723 USA	Date Shipped F. 07-JUL-17 O	Order No Li 4816985 6 Purchase Order No 36887 Details AL En En En En En En 121167276 Mill

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold transferred, or otherwise disposed of, to by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 07-JUL-2017 04:08:29 PM

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description.

Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the covect are, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date: Name:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 07-JUL-2017 04:08:29 PM

A.M. Castle & Co.

INTRA-COMPANY TRANSFER PROFORMA INVOICE

		ke	əĮ) Mumber F	ORG PRG	d	
INTER PROFORMA INVOICE	Date of Direct Shipment	Other References (Include Bill of Lading No.) 3325226-2		Purchaser (Name and Address) A.M. Castle & Co TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA,ON L5N 2K7	Tax Registration Number: 13835 3438 RC0001 Conditions of Sale and Terms of Payment 1% 10, NET 30	Currency of Settlement	
	Veridor (Name and Address) A.M. Castle & Co LOS ANGELES - CASTLE METALS A. M. Castle & Co.	14001 ORANGE AVENUE PARAMOUNT, CA 90723 Tax Registration Number, 25 0070400	0916.701.001.001.001.001	A.M. Castle & Co TORONTO - CASTLE METALS A.M. Castle & Co TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA,ON L5N 2K7	Tax Registration Number: 13835 3438 RC0001 Transportation UPS	INCO Term: DDP - MISSISSAUGA, ON, LSN 2K7, CAN	

	TAD	II AN	Total Price	\$305.00	22.000
	ECCN	Drice near Hait	FAR99	\$2.5305	
	Export License	Units	NLR	2.00 PCS	
	Tariff Code	Country of Origin	7606123030	SN	
		Heat	0.000	ZZ9504B6	
		Weight	120 62 1 BC	LEV. OZ LDO	
		MINIM IISI 48 EDG	100000		
Specs of Commodities	Order-Line-Shin	4.0000.PL.7075.T7351.ALIIMINIM IISL 18 5000 144 5000	4816985-6-1		
ltem		752132.MO			

	Originator (Name and Address) A.M. Castle & Co Los Anglos	S S S S S S S S S S S S S S S S S S S	14001 OHANGE AVENUE 050372560	PARAMOUNT, CA 90723UNITED STATES	Signature:
	1-1	142.62	Proposesion and United States	and nadding charges if applicable.	
Invoice Package Total Weights	Net	70.021	* Price per UOM and Total Price have been adjusted to include Processing and Line 1911		

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

SHIP TO:

A M CASTLE & CO 14001 ORANGE AVE P.O. BOX 1402

PARAMOUNT, CA 90723

SOLD TO:

AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD **SUITE 220** OAK BROOK, IL 60523

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number 4466591

CUSTOMER PO NUMBER: WOR 424640-1		RK PACKAGE:	CKAGE: CUSTOMER PAR 752132				SHIP RUN/LOAD: G0 103951/20		GOV'T CONTRACT NUMBER:	
		SHIP DATE: 13-JUN-20	7 3		TEMPER T7351					por to the second secon
WEIGHT SHIPPED: 5686 LB	QUANTITY: 2 PCS ES		СК B/L #: 57360	GAUGE: 4.0000 II	11.6000 M	1	1AMETER/WIE 48.500 IN (123	эт э мм)	144.500 IN	(3670.3 MM)

MHU 2117771: LOT 799486A6: 1 pieces; MHU 2122630: LOT 229504B6: 1 pieces;

Certified Specifications

AMS 4078/RevJ ASTM B 209/Rev14 BSS 7055/RevB DPS 4.713/RevAK

MMS 159/RevT

AMS-QQ-A-250/12/RevA ASTM B 594/Rev13 CMMP 025/RevV GAMPS 9101/RevB/AmdSCN1

BAC 5439/RevJ CSTI 006/RevE GSS16100/RevG/Amd1

AMS-STD-2154/RevA

DAS Test Code: 4297 5 Lot. 229504B6

Cast 472

Drop 29

Test Results Ingot 5

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:

9-89

Temper T7351

Dir / # Tests LT / 2 (Min:Max) Ultimate KSI (MPA) 62.9:53.9

Yield KSI (MPA) 49.6:50.6

Elongation % 10.6:10.7

(434:441)

PS 21211/RevP

(342:349)

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS:

41.3 Min

41.3 Max

(MS/M):

24.0 Min

24.0 Max

(ASTM E1251)

FE CU MN CR Chemistry: SI MG ZN TI ZR OTHER TOT 0.07 1.5 0.03 0.20 5.5 0.02 Actual(wt%) 0.15 2.4 0.03 0.01 0.05





CERTIFIED TEST REPORT

Serial Number 4466591

Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

Lot: 799486A6

Cast 407

Drop 62

Ingot 5

Parent Lot: 217423B3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:

Temper T7351

Dir / # Tests

Ultimate KSI (MPA)

Yield KSI (MPA)

Elongation %

LT / 2 (Min:Max)

61.7:63.9

48.4:50.8

10.9:11.1

(425:441)

(334:350)

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS:

42.2 Min

42.6 Max

(MS/M):

24.5 Min

24.7 Max

(ASTM E1251)

SI Chemistry: Actual(wt%) 0.07

FE 0.17

CU MN 1.5 0.02 MG CR 2.5 0.21

ZN 6.0 0.03

TI

TI

0.20

ZR 0.01 0.02

OTHER

TOT 0.06

ALLOY LIMITS

SI FE 7075 0.00

CU MN 1.2

MG CR ZN

6.1

V ZR OTHER

0.05

MAX

MIN(wt%) MAX(wt%)

0.00 0.40 0.50 2.0 0.00 2.1 0.30 2.9

0.18 5.1 0.00 0.00

0.05

0.00

EACH 0.05 TOT 0.15

Aluminum Remainder

0.28

ORDER COMMENTS AMC CA-15413E R 6

TEST NOTES

Metal represented by this test report was 100% Type I (immersion) ultrasonically tested from one side with 3mm dead zones top and bottom and meets the Class A and Class B requirements of all specifications referenced on this test report. No surface marking of sonic indications is performed.

CERTIFICATION

Raiser Atuminum, Trantwood Works, is ISO 9001, AS9100, and ISO 14001 certified in bereby certifies that all material shipped under this order:

* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.

* was metied in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.

* has been thermally processed in compliance with AMS 2772, where applicable.

* is marcury free, within the limits of detection of ASTM £1215 (< 1ppm).

* is in compliance with BMS 2, European Union Directive 2011/65/8U.

* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) Ne *907/2006, and Kalser regularly monitors these regulations for updates:

* is free of Conflict Minorals, as defined in Section 15.2 of the Dodd-Frank Act.

* is free of weld repair.

* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kalser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except for full, without the written approval of the Kalser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

Page 2 of 2

CERTIFICATE OF CONFORMANCE INTERORG TRANSFER PACKING SLIP/

Page 1 of 2

Shipment No:3329949

Ship From:	Solo	Sold To:	Ship To:	Deliver To:
A. M. CASTLE & CO. 3050 S HYDRAULIC		DART AEROSPACE LTD 1270 ABERDEEN	A. M. CASTLE & CO. 2150 ARGENTIA ROAD	DART AEROSPACE LTD 1270 ABERDEEN
WICHITA, KS 67216 USA		HAWKESBURY, ON K6A 1K7 CA	MISSISSAUGA, ON	HAWKESBURY, ON
	· }			CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
13-JUL-17	ORIGIN	Prepaid	ABF	3329949-2
Shipment Details			Final Destination Branch - TOR	DR .
Order No	Line No	Item No	Description	
4816985	4	752188.MO C	J.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000	UM.USI.48.5000.144.5000
			CUT LENGTH TO 5 IN (+ .12	CUT LENGTH TO 5 IN (+.1250/0000 IN) X 144.5 IN () - ALUMINUM

B-7-3	Shipped Qty(LBS)	75.2348	
6	Length (IN)		
	Width (IN)		
	PCS	-	
lero.com	Mech Id		
Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS	Heat Number	DAS	
EMBILI END U END U	Mill		
	Delivery No.	121179012	

ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY

Ordered Qty 1.00 PCS

Part Number

Purchase Order No

Details 36887

ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S

PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12

Invoice Qty 1.00 PCS These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise authorized any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned

Reviewed by Authorized Castle Metals Representative:

Says Content Date:

Name:

8-4-4

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM





S A M CASTLE CO
H
1 3050 SO HYDRAULIC
WICHITA KS
67216
US
0

S O L O T O

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

<u> </u>				Constituting		******************		
A M CASTLE 1105	39772 4075		INCLUS	IION Seri	al:20170527-0110539772	Pg 10f4		
CUSTOMER PURCHASE (419757	ORDER NO. & IT		Constell 203735	ium ORDER NO.	CERTIFICATION "Constellium Rolled Products, hereby certifies the metal shipped under this order has been inspected and found in conformance with the			
	7075 TEM ORDERED 1.00000 in 25.40 mm 23				requirements of the applicate indicated herein. Any warran shown on Constellium Rolled	ole specifications as aty is limited to that I Products' standard		
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH				General Terms and Conditi- reports are on file, subject Constellium Rolled Products 859 Century	t to examination." Ravenswood, LLC			
CUSTOMER SPECIFICATION AMS 4045K				P.O. BOX RAVENSWOOD, WV				
PART NUMBER 752188	B/L NU 81388	MBER	DATE 05/29/2	SHIPPED 2017	Steve Son	1		
WT. SHIPPED 5770.000 LB	NO. OF PIECES	GOVT. C	CONTRA	CT NO.				
			and the second second second	angian kangangan kangan ka	Steve Good - Lat	oratory Маладег		
					경기 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A AMS QQ-A-250/12A

AMS STD-2151A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE

ASTM B209-14

ASTM 5209-14)
BSS-7055B-2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

1 mmol	Detai	800
Ludu	UELS	13

Details							
Package	Net Lbs	Kg		Pece	Serial	Parent Lot	_
1001522455	725.000	328.854	9387991	-89			
1001522455	725.000	328.854	9397991	02			
1001522455	725.000	328.854	9387991	03			
1001522460	725.000	328.854	9387992	01			
1001522460	725.000	328.854	9387992	02			
1001522460	725.000	328.854	9387992	03			
1001522466	710.000	322.050	9387993	01			
1001522466	710.000	322.050	9387993	02			

DAS

Lot: 9387991

Tensile - Room Temperature (US)

THE RESIDENCE OF THE PERSON NAMED AND ADDRESS OF THE PERSON NA		Ultimate	(KSI)	Yield (K	SI)	Elongation	(%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	







S H I P A M CASTLE CO 3050 SO HYDRAULIC WICHITA KS 67216 US S O L D F O

A M CASTLE 1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

0							0					
A M CAS	STLE	1105397	72	4075	CONTRACTOR MANAGEMENT AND SEC	INCLUS	ION S	Seria	1:20170	527-01105	39772	Pg 2of4
CUSTO 419757		CHASE OR	DER NO	. & ITEM		Constelli 203735	ium ORDER I	NO.	mei	llium Rolled tal shipped	under this	ION hereby certifies that order has been formance with the
ALLOY 7075	CLAD	TEMPER T651	GAUG 1.0000 25.40	00 in	WIDTH 48.500 1,232 r	00 in	LENGTH 144.50000 in 3,670 mm		require Indicate shown	ments of t ad herein. A on Constal	he applicabl Any warrant Illum Rolled	le specifications as ty is limited to that Products' standard ons of Sales. Test
SPEC F	30.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00		one - management and the latest			no e accionar a describirar a concentrar	man -		repor	ts are on f ellium Rolle 85	lile, subject	to examination." Ravanswood, LLC Road
CUSTO AMS 40		CIFICATION			and a success of a STREET SQUARE CO	Marting row green to the well-kind. We de	COLUMN CO					26164 USA
PART N 752188	NUMBER		1	3/L NUMB 11388	ER	DATE 05/29/2	SHIPPED 2017			Ste	Lan	1
WT. SH 5770.00			O. OF P 10008	PIECES	GOVT.	CONTRA	CT NO.			Steve	Good - Lab	orstory Manager
Tensile	- Room T	emperature (1000000	(N/MM2)	}	/ield (N/N	1M2)	Eloi	ngation	(%)	Report	
D	irection	Tests 1	Min	Max	Ą	∄in	Max	Min		Max		
17	Г	02 5	550	555	4	183	498	13.0	9	13.0		

Chemistry	(Actual)

SI FE CU MN MG CR ZN TI Core 0.05 0.16 1.38 0.03 2.48 0.20 5.45 0.04

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9387992

Tensile - Room Temperature (US)

	•	Ultimate	(KSI)	Yield (K	SI)	Elongation	on (%)	Report
Direction	Tests	Min	Max	Min	Max	Min	Max	ordanede er sa fronte stateland de trans destanos de sanos destanos de romanos en estanos de romanos en estanos
LT	02	80.3	80.6	71.5	72.0	12.5	13.5	

ZR

0.01







A M CASTLE CO S H 3050 SO HYDRAULIC WICHITAKS P 67216

S 0 L D

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

AM CASTLE 110539772 4075 INCLUSION Serial:20170527-0110539772 Pg 30f4 CUSTOMER PURCHASE ORDER NO. & ITEM 203735 ALLOY CLAD TEMPER GAUGE 1.00000 in 25.40 mm 1.232 mm 2.670 mm 1.44.50000 in 1.232 mm 2.670 mm 2.	T		05									0								
Constellmer Porchase Under No. 8 Tel.	AM (CAST	LE	11	05397	72	4075	New York Control Section 1	12	NCLUS	NOI	(Seria	al:20170	527-0	110539	772	Pg	3of4	
ALLOY CLAD TEMPER CAUGE MIDTH LAS 50000 in 1,232 mm 14,50000 in 1,232 mm 1,232			ER PUR	CHASI	EORC	ER NO	D. & ITEN	1			ium (ORDER	10.	met	al ship	olled P	roducts. ider this	hereby order	has be	en
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH CONSTRUCTED SAWED MILL FINISH CONSTRUCTED SAWED MAS 4045K SECRETICATION AMS 4045K SECRETICATION SECRETICATION AMS 4045K SECRETICATION SECRETICATION AMS 4045K SECRETICATION SECRETICATION AMS 4045K P.O. 80X 68 RAVENSWOOD, WV 26164 USA PART NUMBER			CLAD		111 5005 4	1.000	00 in	48.50	0000		144	.50000 in		require indicate shown	ments d here on Co	of the in. Any nstellin	applicabi y warreni m Rolled	le spec ty is lit Produ	ificatio mited t cts' str	ns as o that andard
RAVENSWOOD, WV 26164 USA RAVENSWOOD, WV 26164 USA	SPE	C PLA	ATE, SA' SH		- Annual				MARINE AND ADDRESS OF THE PARTY	Au collins of the collins	March P			repor	ts are	on file Rolled 859	, subject Products Century i	to exa Raven Road	aminati	on."
Stave Stav				CIFICA	NOITA								NUMBER OF STREET		RAVE				USA	
Steve Good - Leberatory Manager			MBER					BER							1	tere.	In	1		
Ultimate (N/MM2) Yield (N/MM2) Elongation (%) Report							PIECES	GOV	r. cc	ONTRA	CTA	10.			S	teve Go	ood - Lab	oratory	y Mana	ger
LT O2 554 556 493 496 12.5 13.5	Ten	sile •	Room T	empe			e (N/MM)	2)	Yie	ld (N/I	MM2)	DOUBLE HELITORISH BANCOS VAC	Ek	ongation	(%)	and the same of th	Report	41		ngaeristiinis
Chemistry (Actual) SI FE CU MN MG CR ZN TI ZR Core 0.05 0.16 1.38 0.03 2.48 0.20 5.45 0.04 0.01 OTHERS-EACH: .05 MAX, OTHERS TOTAL: .15 MAX, AL REMAINDER All material contained in this lot was cast and manufactured in the USA Lot: 9387993 Tensile - Room Temperature (US)		Dire	ction	Tests	٨	⁄lin	Max	e and the service of the	Mir	1	M	ах	Mir	n	Max	,		and the second		
SI FE CU MN MG CR ZN TI ZR Core 0.05 0.16 1.38 0.03 2.48 0.20 5.45 0.04 0.01 OTHERS-EACH: .05 MAX, OTHERS TOTAL: .15 MAX, AL REMAINDER All material contained in this lot was cast and manufactured in the USA Lot: 9387993 Tensile - Room Temperature (US)		LT		02	5	54	556		493	3	49	36	12	.5	13.5	veneza escentrario	, ,	analysis i consumer soci		THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY N
Core 0.05 0.16 1.38 0.03 2.48 0.20 5.45 0.04 0.01 OTHERS-EACH: .05 MAX, OTHERS TOTAL: .15 MAX. AL REMAINDER All material contained in this lot was cast and manufactured in the USA Lot: 9387993 Tensile - Room Temperature (US)	Che	mistr	y (Actu	al)							2012		200							
All material contained in this lot was cast and manufactured in the USA Lot: 9387993 Tensile - Room Temperature (US)	Cor	e		- 									444							
All material contained in this lot was cast and manufactured in the USA Lot: 9387993 Tensile - Room Temperature (US)	OT	HERS	S-EACH:	.05 M	AX. O	THER	S TOTAL	: .15 M.	AX.	AL RE	MAIN	IDER		CONTRACTOR OF THE PARTY OF THE	***********		***************************************			
Lot: 9387993 Tensile - Room Temperature (US) Nield (KSI) Floration (%) Report	-			and the second sections			44-1-1-1		414	AREADA (A. A. A	N-87-10-10-10-10-1	Average and a series of the se						*************	024888879439450029	200000000000000000000000000000000000000
Lot: 9387993 Tensile - Room Temperature (US) Nield (KSI) Floration (%) Report	AII	mater	ial cont	ained	in this	o lot w	as cast a	nd mai	nufa	ctured	in th	ie USA				and the second second		g (pangan-sasa sasa		
Visit (VCI) Claration (%) Panort																				
	Ten	isile -	Room 1	empe			e (KSI)		Yie	ıld (KS	SI)		Eld	ongation	(%)		Report			

Max

80.8

Min

70.4

Min

13.0

Max

71.5

Max

13.5



Tests

02

Direction

LT

Min

79.9





CERTIFIED TEST REPORT Constellium Rolled Products

A M CASTLE CO S H 3050 SO HYDRAULIC WICHITA KS P 67216 US T

S 0 L D T 0 Ravenswood, LLC

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

0								-		SUMMERS OF THE PARTY OF THE PAR			- 4 F d
M CASTLE	110	53977	2	4075		INC	LUSION		Seria	1:20170	527-01	10539772	Pg 4of4
USTOMER PU 19757	RCHASE	ORDI	ER NO	. & ITEM		Cons 2037		ORDER	NO.	met	lium Ro	ed under th	ATION is, hereby certifies th nis order has been onformance with the
LLOY CLAD	TEM T651		GAUG 1.0000 25.40	00 in	WIDT 48.50 1,232	000 in	144	NGTH 4.50000 i 70 mm	n	require indicate shown	ments of d herein on Con	of the applic n. Any werr stellium Roll	cable specifications a ranty is limited to the led Products' standar
EM ORDERED PEC PLATE, S ILL FINISH			HILLIAN MARKET HERY			mercanni y ibushibar ki baraba	350000000000000000000000000000000000000		The state of the s	rapor	ts are c	on file, subj olled Produc 859 Centur	
USTOMER SP MS 4045K	ECIFICA	TION	ALL DESIGNATION OF THE PERSON	acceptant and a							RAVEN	P.O. BOX SWOOD, W	X 68 /V 26164 USA
ART NUMBER 52188	Land and de sement medical field Arthright Select Rose	A ACCUSE MANUELLA AND AND AND AND AND AND AND AND AND AN		3/L NUME 31388	BER		ATE SHI 5/29/2017				Si	to I	Ruf
VT. SHIPPED 770.000 LB	- The state of the	1	OF F	PIECES	GOVT	. CON	TRACT	NO.	-	gy ag v esta tiene esta esta esta esta esta esta esta est	Ste	va Good - I	Laboratory Manager
ensile - Room	Tempera			: (N/MM2	elmakasusimi !)	Yield	(N/MM2	.)	Elo	ngalion	(%)	Repo	ort
Direction	Tests	M	in	Max	March 1975	Min	N	lax	Min)	Max		1987 AND AND THE PROPERTY OF T
LT	02	55	51	557	out of the section of	485	4	93	13.	0	13.5	ERCON JETEMENING PASSAMENT NEW YORK WAS TELEVISION	overholden bedesnik den beging de gemenner were en en en ekker.
Chemistry (Act	ual)												
	20	FE	CU	MN	MG	CR	ZN	TI	ZR				
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.0	1			
OTHERS-EACH	1: .05 MA	X. OT	HERS	TOTAL:	.15 M	X. AL	REMAI	NDER				THE REPORT OF THE PARTY OF THE	
Akamata nyaéta Palina Pakabana Akamata			and an article in	ean-raigh periods convenience (a) "p" *****							OKANIA SURENCE NEW YORK STREET		
All material co	ntained i	n this	lot w	as cast a	nd mar	ufacti	ured in t	he USA				m.sensanst	**************************************
QUALITY TEX AMC CA-15403													

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"

Page 1 of 2

Shipment No:3329949

Ship From:		Sold To:	Ship To:	Deliver To:	
A. M. CASTLE & CO. 3050 S HYDRAULIC		DART AEROSPACE LTD 1270 ABERDEEN	A. M. CASTLE & CO. 2150 ARGENTIA BOAD	DART AEROSPACE LTD	
WICHITA, KS 67216		HAWKESBURY, ON K6A 1K7		HAWKESBURY, ON	
USA		CA	L5N 2K7 CAN	K6A 1K7 CA	
Date Shipped	F.0.B.	Freight Terms	Carrier	BOL No	
13-JUL-17	ORIGIN	Prepaid	ABF	3329949-2	
Shipment Details	sli		Final Destination Branch - TOR	h - TOR	
Order No	Line No	Item No	Description		
4816985	က	750067.MO	O.3750.PL.7075.T651.AL	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000	
			CUT LENGTH TO 5 IN (CUT LENGTH TO 5 IN (+.1250/0000 IN) X 144.5 IN () - ALUMINUM	ALUMINUM
			PLATE SAW SPECIFICA	PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12	
Purchase Order No		Part Number	Ordered Qty	Invoice Otv	
36887			2.00 PCS	2.00 PCS	
Details	ALL PAPE	ALL PAPERWORK MUST FOLLOW OF	RDER / CUSTOMER MUST	EIVE AT T	
	ALL MATE	ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S	YING MARKINGS EX:HEAT	S,#.	
	Email P/s a	Email P/s and certs to: clavoie@dartaero.com	ro.com	(,
	END USEF	END USER: DART AEROSPACE			
	END USE:	END USE: COMMERCIAL AIRCRAFT PARTS	PARTS	+4-6	5
Delivery No.	Mill	Heat Number	Mech Id PCS V	Width (IN) Length (IN) Shipped	Shipped Qty(LBS)
121179012		DAS 178168811 5	2		
	/	0000			_

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM

Page 2 of 2

is certification conforms in accordance with the above specifications and has been found to mear the amplicable requirements for the amplicable requirements.	n. All claims for defective material are waived unless made in writing to A M. Gestle & Co. within 80 days approach requiremental including any specifications forming a part of the description.	A construction of the content of the customer cannot be returned
We hereby certify the material covered by this	atio	for credit.

for credit.
Reviewed by Authorized Castle Metals Representative:

Date: Name:

RHHOX

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.

They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Date Printed: 13-JUL-2017 01:33:20 PM SHIP TO:

A M CASTLE & CO 3050 SOUTH HYDRAULIC WICHITA, KS 67216

aiser ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number 4431950

SOLD TO:

AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523

CUSTOMER PO NUMBER	: WO	RK PACKA		USTOMER PAR	T NUMBER:	*****	SHIP	RUN/LOAD: G	OVTCC	NTRACT NUMBER:	ar wasen was observed up to a subject of the subjec
385598-1			- 1	750067			1036	375/8			
KAISER ORDER NO:	····	SHIP DAT	E:	ALLOY:	CLAD:	TEMPE	R:	PRODUCT DES	CRIPTIC	N:	THE PARTY OF THE P
1215472-1		5-SEP-	2016	7075	BARE (T651	9	Sawed Plate	3		
WEIGHT SHIPPED:	QUANTITY:	Y	RUCK	BIL #:	GAUGE: 0.3750 I	P		JAMETERIWIDT 48,500 IN	HD	144.500 IN	A Committee of the Comm
3332 LB	12 PCS E	ST.	20622	79	0.37301	9 50 50 N	6 1		(MM e-	144,500 114	(3670 3 MM)

MHU 2026201: LOT 178168B1: 12 pieces;

Certified Specifications

AMS 4045/RevL CMMP 025/RevV AMS-QQ-A-250/12/RevA

ASTM B 209/Aev14

Test Code: 1512

Kot: 178168B1

Cast 211

Drop 65

Test Results

Ingot 1

CR

CR

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:

Temper T651

LT / 2 (Min:Max)

FE

Dir / # Tests

Ultimate KSI (MPA)

85.1:85.6 (587:590) Yield KSI (MPA) 75.6:76.2

Elongation % 12.8:13.6

0.01

(521:525)

(ASTM E1251)

SI Chemistry: 0.17 0.08 Actual(wt%)

CU MN 1.5 0.03 MG 2.5 0.19 ZN

5.7

V ZR

0.01

0.05

OTHER 0.05

ALLOY LIMITS

7075 MIN(wt%)

MAX(wt%)

0.00 0.00 0.40 0.50

. SI

FE CU MN 0.00 1.2 2.0 0.30

2.1 0.18 2.9 0.28 Aluminum Remainder

MG

TI ZN 5.1 0.00 6.1 0.20

TI

0.03

ZR OTHER 0.00 0.00

0.05

MAX EACH 0.05

0.15

TOT

TOT

ORDER COMMENTS AMC CA-15409 R 3



Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number 4431950

CERTIFICATION

Kasser Aluminum, Trentwood Works, is 190 9001, AS\$150, and ISD 14001 certified, and hereby certifies that all material shaped under this order.

In the seen inspected, tested, and found to be in conformance with the insolinements of the specifications indicated here in All test equipment and measuring downess are calibrated and certified in accordance applicable specifications. For material theknesses outside specification mits, mechanical properties are as shown free in and chemical composition meets specifications requirements. Reported biorgation values have been measured as alongation at factorie.

In was molitor in the United States of America or a qualifying country por OPARS 225.225 for domestic contem.

In which is a compliance with proposed in compliance with AMS 2272, where applicable.

It is mercury treat, within the impress of detection of ASTM £1215 (< 1ppm).

It is no compliance with PoHS 2. European Union Directive 2011;05(20).

It is no compliance with PoHS 2. European Union Directive 2011;05(20).

It is no compliance with Bringhaps Chemical Agency, £CHA, REACH regulations, (EC) No 1907/2008, and Kaisar regulation for updates.

It is free of Carollist Minurals as delined in Section 15.2 of the Dedd-Frank Act.

In the order of well regain.

In each regulation of the Assert Aluminum's standard general forms and conditions of sets. That reports also not be carollinate may be purising as a fallow unlike form on Kasser Aluminum's standard general forms to reduce that shown on Kasser Aluminum's standard general forms of sets. That reports also not be called as a fallow unlike form the confidence may be purising as a fallow unlike forms.

land Skinemen



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017 PO Print Date 6/29/2017

Page Number 1 of 5

Order From :

VU-MET002

METAUX CASTLE P.O. BOX 4090 STN A TORONTO, ONTARIO M5W OE9 CANADA Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

JUN 2-9 2017

Contact Name

Vendor Phone

Ship To Contact Ship To Phone

Ship Via: Ship Acct: Yours ppd

Buyer

Customer POID

Customer Tax #
Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30 USD

SD

Destination-Collect

Line Nbr			Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments	/		Promise Date		. /		
	Delivery Comments			/				
1	M7075T6S1.000X2.500		7075-T6S Sheet 2.5" Wide x 1" Thick Plate	7/24/2017	FN	12.00	\$30.42	\$365.04
			X 1 THICK I MAG	Yes		f		
				7/24/2017				

MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/Г62 ALCLAD ALUMINUM SHEET SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

M7075T6S1.500X1.500

7075-T6S Sheet 1.5" Wide \(x 1.5" Thick Plate

7/24/2017 FN

Yes

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209 Line Total:

\$365.04

\$21.06

\$252.72

f

12.00

Spr-72e



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017 PO Print Date 6/29/2017

Page Number 2 of 5

Order From:

VU-MET002

METAUX CASTLE P.O. BOX 4090 STN A TORONTO, ONTARIO M5W OE9 **CANADA**

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact Ship To Phone

Ship Via: Ship Acct: Yours ppd

Buyer

Customer POID

Customer Tax# Terms Currency

FOB

Chantal Lavoie

10127-2607 Net 30

USD

Destination-Collect

M7075T6S.375X5.000

7075-T6 Sheet 5" Wide x 375" Thick Plate

7/24/2017 FN

Yes 7/24/2017

Line Total:

\$18.10

\$21.75

\$434.40

\$252.72

MAT'L 7075-T6/T62 ALUMINUM SHEET

SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET

SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

12.00

24.00

Line Total:

\$434.40

M7075T6S1.000X5.000

7075-T6 Sheet 5" Wide x I" Thick Plate

7/24/2017 FN

Yes

\$261.00

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

\$261.00



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017 PO Print Date 6/29/2017

Page Number 3 of 5

Order From:

VU-MET002

1270 ABERDEEN

Ship To: DART AEROSPACE LTD

Chantal Lavoie

Destination-Collect

10127-2607

Net 30

USD

METAUX CASTLE P.O. BOX 4090 STN A

TORONTO, ONTARIO M5W OE9 CANADA

HAWKESBURY, ON K6A 1K7

CANADA

Buyer

Terms

FOB

Currency

Customer POID

Customer Tax #

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

7075-T73 Bar 3.0 x 4.0 t grain direction along 3"

7/24/2017

8.00

\$101.00

\$808.00

M7075T73B3.000X4.000

Yes 7/24/2017

MATERIAL: 7075-T73/T7351/T73510/T73511 BAR AS PER AMS-QQ-A-200/I1 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078

NOTE: GRAIN DIRECTION MUST RUN ALONG 3" WIDE 2PCS CUT AT 4 FT LONG

\$808.00

D6101-005P

7075-T7351 8.25X5.0X2.5

7/24/2017

Yes

20.00

Each

\$36.20

\$724.00

AS PER DWG.D6101 REV.B

B163265

SIZE: 5.00" X 8.250" X 2.50" THICK

GRAIN DIRECTION ALONG 5.00"" LENGHT MATERIAL: 7075-T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"

7/24/2017

Line Total:

\$724.00



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017 PO Print Date 6/29/2017

Page Number 4 of 5

Order From:

VU-MET002

METAUX CASTLE P.O. BOX 4090 STN A TORONTO, ONTARIO M5W OE9 CANADA

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

D6102-013P

6061-T6 7.0X6.5X2.0

7/24/2017

Yes

7/24/2017

Chantal Lavoie Buyer

Customer POID

Customer Tax#

Terms Currency

FOB

10127-2607

Net 30

USD

Destination-Collect

50.00 Each

10.00

Each

\$31.65

\$1,582.50

AS PER DWG D6102 REV. D

B163266

SIZE: 7.090" X 6.500" X 2.00" THICK GRAIN DIRECTION ALONG 6.500" MATERIAL 6061-T6/T6511 QQ-A-250/11 TOLERANCE AS PER QUOTE +.030"/-.000

Line Total:

\$1,582.50

D6103-003P

Round Alum Billet

7/24/2017

Yes

7/24/2017

\$60.40

\$604.00

AS PER DWG D6103 REV. B

B163267

MATERIAL: 7075-T7351 AS PER QQ-A-225/9

SIZE: 3.500" X 12.500" LONG

recullx

\$604.00



METAUX CASTLE

P.O. BOX 4090 STN A

TORONTO, ONTARIO M5W OE9

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017 PO Print Date 6/29/2017

Page Number 5 of 5

Order From:

VU-MET002

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CANADA

Contact Name Vendor Phone

Ship To Contact Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

7/24/2017

Yes

7/24/2017

Chantal Lavoie

Customer POID

Buyer

10127-2607 Customer Tax # Net 30 Terms USD Currency

FOB

Destination-Collect

D6104-005P

17-4 SS Roundbar 4.00"Od

10.00 Each

\$54.20

\$542.00

AS PER DWG D0104 REV. B

B163268

MATERIAL: 17-4 PH AS PER AMS 4643 OR AISI 630

SIZE: 4.00" X 5.10" LONG

Line Total:

\$542.00

71401-45

PROCUREMENT QUALITY CLAUSES 7/24/2017

No

7/24/2017

A005 right of entry

A012 chemical and physical test report

A017 raw material identification (as applicable)

A043 retension of quality documents

\$0.00

\$0.00

Procurement Quality Clauses

A016 personnel qualification

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

Line Total:

\$0.00

PO Total:

\$5,573.66

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

Change Date:

6/29/2017

Chantal Lavoie

From:

Desbiens, Marc < mdesbien@amcastle.com>

Sent:

Tuesday, June 27, 2017 4:42 PM

To:

Chantal Lavoie

Subject:

RE: quote

Hi Chantal,

price and delivery on material.

7075-t6 bar (plate) 1" x 2.5" x 12 ft \$ 30.42 FT 2-3 weeks 7075-t6 bar (plate) 1.5" x 1.5" x 12 ft \$ 21.06 FT 2-3 weeks

7075-t6-bar-(plate) 2.250" x 2.750" x 12 ft Offer 2.50"thk \$ 45.85 FT 2-3-weeks

7075-t6 bar (plate) 4" x 4" x 5 pcs cut at 32" \$ 254.00 piece (mid August)

7075-t6 bar (plate) 5" x 0.375" x 24 ft

\$ 18.10 FT 2-3 weeks

7075-t6 bar (plate) 5" x 1" x 12 ft \$ 21.75 FT 2-3 weeks

7075-t76 bar 3" x 4" x 2 pcs cut at 4 ft grain direction along 3" offer 7075-T73 \$ 404.00 piece 2-3 weeks

Thanks

Marc Desbiens Inside sales representative Castle Metals, Montreal, QC Direct line 514-795-8176 1-800-806-6660 ext 52226 Fax # 1-855-892-6370

Customized Supply Chain Solutions for Your Metal Needs

This E-mail may contain proprietary information and may be confidential. You are to treat this material in accordance with your company's confidentiality policies and limit any distribution accordingly.

If you are not the intended recipient of this E-mail, you are hereby notified that any dissemination, distribution or copying of this message is strictly prohibited. If you received this message in error, please delete it immediately.